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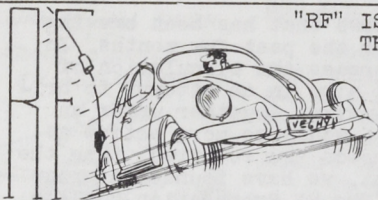
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SEE YOU AT THE NARC HAMFEST

VE6BW



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As well as scores of fine people who jotted us a note to enable
us to turn out anything at all.

VE6wl recently visited the office of one Dr. J.J. Dobry (VE6DR)
to see what could be done about a bad rash on his arms.

"Ever had this before," asked 6DR

"Like I said Doc," 6WL answered, "It comes and it goes!"

"Hmmm," 6DR concluded, "looks like you've got it again."

Who said that a gold digger was a human gimme pig?.....



EDITOR'S CORNER

Here is the big news that has been brewing around Calgary for the past few months. In an attempt to increase the circulation of your magazine and also in an attempt to bring the Canadian Amateur together under an organization which would be more active as far as Canadian needs are required, than the ARRL is at present, we have founded a group which is called "The RF Propagation Society of Canada". This group is not at present legally constituted, but perhaps we can arouse enough interest to get this done by the time of the next Hamfest in Edmonton on

August 23-24 or at least by the Calgary Hamfest in 1959. Proceedings are at present under way to incorporate an Alberta chapter of the Society, which we hope will eventually spread to cover the continent, or at least we should say, the Dominion of Canada. "RF" magazine, out of which this Society has grown, has been officially taken out of the hands of the C.A.R.A. and that group has now no powers to regulate policy, appoint officers, and has no interest in the magazine other than that which all of our supporting clubs have.

The initial intent of the Society was to be an affiliate of the ARRL as far as membership was concerned. By this we mean that to be a full member of the Society one would of needs be a member of the ARRL. A letter was written to the ARRL in March, outlining the bare essentials of our proposed organization, and asking only their moral support in this endeavor which we believe is one which will, or can be, of great benefit to the Amateur in Canada. So far we have received the usual ARRL response to all Canadian requests for help...dead silence...and so we have decided that the ARRL's support would be welcome, if offered, but we do not intend to ask further. If they have not even the decency to answer our letter within 3 months, then perhaps we can draw our own conclusions.

Thus then, the reasons for that information we requested in our last, and again in this issue. As soon as plans are a little further along the way then we will send each of you that are current subscribers to RF, a copy of the Society's proposed constitution and bylaws so that you can enter you opinions and objections, if any. Also with the information on those forms, and that which you volunteer along with them, we hope to publish a Canadian Ham roster for the edification and amusement of all. So you can see why we need all the support that we can get.

So now there are several more reasons for you to get out and support RF, for with the growing circulation of the magazine, so grows your Canadian Ham club, and so grows the voice of the Canuck in Ham affairs. For only through your support, and that does mean you, can we hope to do anything for the Canadian Amateur. The Society which has barely begun its work can go either of two ways, up or out, it cannot remain static, and the direction of this movement is up to you and you alone, for, and I repeat, it is only through your efforts that we will achieve any measure of success... so how about it... do we stand or fall as have all similar attempts along this line.....Sincerely VE6HY.....

SILENT KEYS:

It has just been learned that Gordon Drake VE5GD passed away very suddenly recently. We here at RF are sorry to hear this as we worked him on 75 a couple of times, and we are sure that a lot of the fellows who work the higher bands will remember this familiar call and will have wondered at its silence.

WHATSH ALL THISH
ABOUT SHINGLE
SHIDEBANDSH!!



SSB FOR ANYONE - ALSO CW/AM TOO, by VE7US

Some opinions to the contrary, SSB/AM type rigs are here to stay (just like TV) and queries have been made to send another simple design in to "RF" magazine. About three years ago designs were sent and published in RF by the Lethbridge gang.

To explain "Unitized" SSB schematics we start by stating that Diagram 1 shows a simple CW section capable of 25 watts output to an antenna. The oscillator is a mixer tube with its triode section used as a crystal oscillator. The coil L1 is a 2.5 Mh RFC in this application while L2 and L3 are tuned to the frequency of the xtal. The 6AGT is used as a linear amplifier and blocked grid keying is provided. Clicks are a minimum with this type. The power supply is conventional but should be rated at at least 100 MA at 350 volts.

Now, when AM or SSB operation is desired Schematic #2 is added to that of Schematic #1. L1 is now a tuned coil and is tuned to 9 MC. About 150 mmfd is across L1 and the latter can be 12 turns of #24 on an XR50 coil form. Its slug affords fine tuning. Once it is tuned to 9 MC it is left alone.

As can be seen in Schematic #2, the RF oscillator is now a 6AU6 or equivalent tetrode (pentode) to oscillate on 9MC when L5 is tuned to that frequency. L5 and L6 are likewise XR50 forms the same as L1. These two coils are placed about 1" centres and thus are inductively coupled to each other. The 4 Germanium diodes can be nearly any type, but make sure that the LOWEST resistance readings taken across them are as equal as possible. L4 is also tuned to 9MC.

The audio is also conventional up to the secondary of the first Hammond #139 transformer. It is here that the audio is split and fed to each grid of the 12AT7 tube. The signal is not pushpull however, and requires two #139's in the plate circuits. One can use cathode-coupling from this 12AT7, but the factors involved costs just as much as the transformers. The switch allows either AM/upper SSB/lower SSB operation. Carrier is balanced out by adjustment of the two 1K pots ahead of the germaniums. The upper pot on the schematic is used to reinsert carrier for AM use or CW.

Now SSB and AM are available at the output links at L4 and fed through to L1. This is at 9 MC and so to get on 75M we use a 5.2 MC crystal in the 6SB7Y mixer stage. Our output signal is now either 75 or 20M by choice of the coils L2 and L3. These can be separate coils or switched.

Schematic #3 shows a typical GG final as used on SSB. 802's are the 6 volt equal to 837's. No neutralizing is needed since these stages are degenerative. No distortion of the signal is produced in GG.

TUNEUP: With power supply on tune L5 to get the xtal oscillating at 9MC. (check with your receiver) Also check with receiver to see if the 5.2 xtal is oscillating when key is pressed.

With key down there will be some output from L3 unless the two 1K pots happen to be balanced. However, adjust both of these pots until the signal at 3.8 MC decreases to a low value. Adjust one and then the other. Now offset the upper 1K pot to allow carrier to appear at L3. Adjust L4, L6, L2 and L3 for maximum output at L3. Do not expect to light up a large lamp bulb or neon but rather check output with a F/S meter or scope.

CONTINUED ON PAGE 4.

After all coils have been peaked up return the carrier pot to minimize the carrier to a low figure. If you have a scope attached to the output of L3 and you apply a 1000 cycle tone to the mike input you should see a pattern like CW but with ripples on both top and bottom. The switch is on its second or third position during this test and of course the key is down. The idea now is to adjust the 1K pot in the 12AT7 cathode and L6 coil to get as little ripple as possible on the scope. When ideally adjusted the scope pattern will be a clean rectangle display. One never gets this in practice however and all adjustments are done to get it as clean as possible.

For AM simply unbalance the carrier pot (upper 1K ahead of Germaniums) and put switch to position 1. For CW turn off the audio gain control. For SSB null out the carrier by adjustment to both 1K pots and choose upper or lower by the switch at positions 2 or 3.

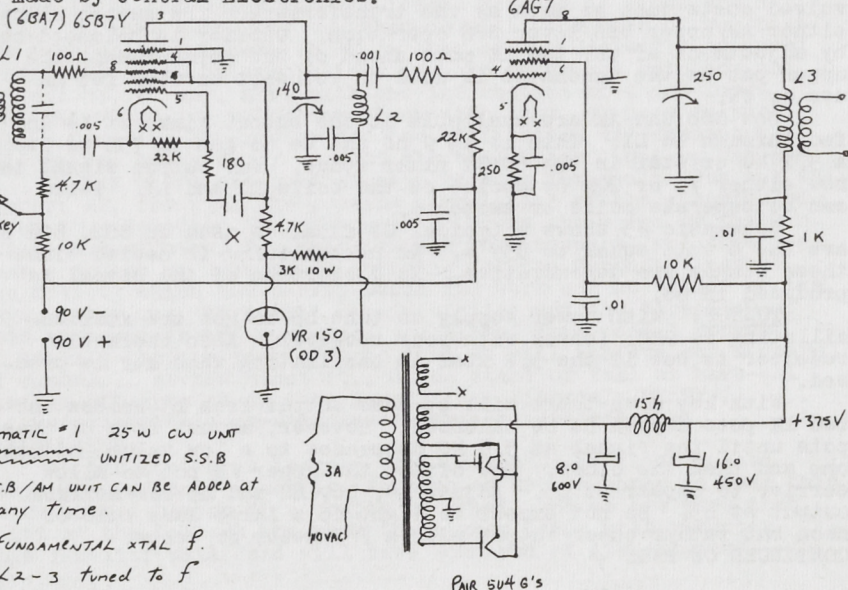
For VFO operation either use an outboard VFO applied to pins 5 and ground of the 6SB7Y mixer while also by-passing the pin 4 with a .005 condenser, to ground. Make sure that the VFO does not overdrive pin 5. (10 volts RMS maximum). Alternatively one can connect a series coil and variable condenser between pins 4-5 of the mixer. Both of these methods require resonant frequencies of 5.2 MC midfrequency.

To adjust linear final simply put exciter to AM operation and tune L7 and L8 to dip in plate current as indicated on the meter. Adjust the secondaries of L3, L7 and L8 to get most output from secondary of L8.

Voice-control can be added at any time, the relay closes antenna circuit and the key line. Power supplies are left on all the time with these circuits.

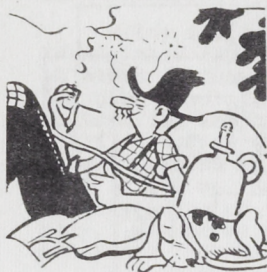
The shift network in the audio can be purchased - it is cheaper than trying to make them. Either B&W or Central Electronics PS-1 are available through jobbers in Canada.

This is a "Phasing-type" transmitter similar to the 10-B as made by Central Electronics.



The Long and Short DX - by VE6AB, John

Romanchuk



Another issue of RF has come off the assembly line after a strenuous few weeks of back breaking, dirt shovelling, shifting plants, trees, shrubs and bugs, so who cares about DX! Who said that?????

Now that the garden is in and field work is completed, you fellows can settle down and write to this column and tell all about your DX exploits. I'm sure that a number of you have made your DXCC lately and possibly your WAZ. Yours truly hasn't had the urge to get up in the wee hours of the morning chasing JT1AA, but if I want to get

Zone 23 I'd better do it pretty soon. Boy I'm sure dreaming - with low power and a triplex double (bi-directional) beam, I'd better stay in bed Hi!

One evening in April VE6TF phoned me and said "Stop chasing DX, you won't work him. Anyway you might as well meet a couple of real DX men in person". Boy that's for me, so after a short trip to the Palliser we were greeted by VE3PZ, one of the DX peditors from Ontario. After short but interesting comments about the history of DX etc, in comes VK3AMH Bill Sadler from Australia. The gang - VE6AC, VE6TF, VE6HG and myself sure enjoyed the evening. The only VE6 that VK3AMH worked that he could remember was VE6BX. Take a bow Bill. VK3AMH showed us some pictures in color of the antennae set-up he had to put up to combat the QRM situation in Australia. The pictures showed how he put up two towers one hundred and twenty feet high in unteen different stages. The towers, made entirely of wood were put in position with a home brew wench. Boy what a tower, the most beautiful piece of work I ever saw. Our XYL's were told we'd be gone an hour, but four hours flew by so quickly and we left the DX men and dreamt that our antennae were floating up among the clouds working new countries right and left.

Congratulations were due to Len, VE6TF for receiving his DXCC certificate No. 1193 on phone. How about repeating same on CW. I know you can do it.

The RF Gang want to thank VE6MN, Merle Noss for his achievements on DX. I'm sure there are hundreds like him. Don't keep it to yourself. Let everybody read about it in "RF".

Latest countries worked by VE6HG bringing list up to 63 are: UA0KAC; W0EKL/KG6; KZ5BR; PA0WWP; VR2DC; VP7NM; GW3KSQ; CN8FQ; FF8AJ and ZK2AB and on 20 meters too.

Anyone wishing to buy an antennae farm, approximate size fifty feet by one hundred and twenty feet, good DX location guaranteed to work DX. The farm consists of 10 meter folded dipole vertical, 15 meter bi-directional beam, 20 meter triplex double (bi-directional) beam, and 40 meter doublet tuned to work 15 meters. Will put up a 2 meter antenna at no extra cost. Cash considered or will trade for a tri bander rotory beam. Contact VE6AB. (All these antennae are up and working on a 50' by 120' farm. Anyone got more Antennae in less space please write to "RF Magazine, P.O. Box 278, Calgary, Alta.

*** ** **

A doctor told a patient that he was drinking to excess and suggested that he cut down -- so the patient switched from Four Roses to Three Feathers.

The major problem of the future is not what type of home to build but what size garage.

FUNDAMENTALS OF RADIO TELEPHONY - by VE6VM



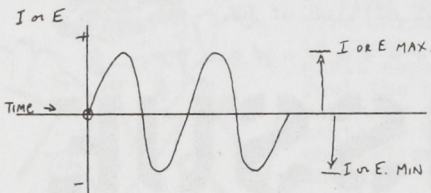
TECHNICAL TOPICS

I hope that the discussion to follow will be the initiation of a regular column in the RF magazine and will in some way be interest and value to you the reader. At a recent meeting of the C.A.R.A. the proposal to institute technical talks at our club meetings was met with considerable enthusiasm. It was felt that perhaps our out of town readers might also find these discussions of value.

In the May, June, and July and September 1954 issues of QST, some very basic principles of Radio Telephony were presented. The first of these articles is here-in reviewed. It is hoped that this summary will clarify to some extent at least, a few of the questions generally raised by our newer amateurs.

To begin with we will be chiefly concerned with alternating currents and voltages. In this regard two classifications of waves may be formed - sine waves (here-in-after referred to as pure waves) and complex waves. The pure waves are directly related to a physical phenomenon known as "Simple Harmonic Motion" and to illustrate the meaning of this term, imagine an ordinary coil spring, with a weight suspended from it, bouncing up and down. The weight is said to be in "Simple Harmonic Motion". If we now imagine the weight as being arranged to make a mark on the wall, we would observe a vertical line being drawn. If the spring mount were now moved horizontally along the wall, while the weight was bouncing up and down, a wiggly line would be drawn. This line would represent what is known as sine wave. First of all the number of peaks (or troughs) which occur in any one second would represent the frequency in cycles per second. The height of the peaks above a mean line which would be drawn if the weight were left hanging at rest is known as the amplitude of the wave. The amplitude will be the same from the trough to the mean line but will be below the mean line so we will call that part of the wave negative.

In order to use our sine wave graph to study electrical phenomenon it will be necessary to assign certain quantities to the graph. A little thought will show that the mean line described above can be divided into units of time since it took a certain length of time to draw it. Let us call this axis the Time axis. Everything drawn above this axis will be regarded as positive and below, negative. The amplitude of the wave might be either a measurement of current or voltage so we can label the vertical measurements on our graph as either E for voltage or I for current as shown in figure 1.



As one further point regarding the graph, we must not confuse the idea of current direction with our spring and weight experiment. All of the current values above the time line represent current flow in one direction, while all values below the line represent current flowing in the opposite direction. Similarly, voltages must be regarded as positive above and negative below.

Let us now spend a moment discussing the complex waves. It can be shown with fairly involved mathematics, that complex waves are made up of a number of pure waves with different amplitudes and frequencies. A number of pure waves of the same frequency

CONTINUED ON PAGE 8

and with the same or different amplitudes, but with peaks or troughs occurring at different times will produce one pure wave if mixed together in a linear device such as a high fidelity system for example. This is a point worth remembering.

To make full use of alternating currents and voltages, it is necessary to show their comparison to direct currents or voltages. There is a common meeting ground which we can study, namely power. For example we all know that a resistor can be heated by either alternating or direct current. For the direct current case the calculation is easy since the current is flowing uniformly and one instant will be the same as any other, however as pointed out above, the alternating current first flows in one direction, stops and then flows in the reverse direction. Furthermore this current is continually changing. How then can we put our finger on the right value to use in calculating the power being liberated as heat. Also the resistor will heat up regardless of the direction of the current. It turns out that the average current. (Independent of its direction) is the quantity which we will use in our calculations. For a pure wave this quantity can be determined by multiplying the peak value by .707 or taking roughly $3/4$ of the peak value. As an example, if the peak value is 10 amperes, the average will be 7.07 amperes. This quantity is technically known as the "Root Mean Square" or simply as the RMS. The derivation of this quantity is beyond the scope of this article and would add but little to the discussion.

The RMS value of either current or voltage is what a meter will read if these quantities are measured and as an example, the regular 110V outlet will have a peak value of 157 volts both above and below the mean line. From ohms law we know that:

$E = I.R$, also

Power - $I.E = I.I.R = I^2R$

Let us consider the peak current for a pure wave and let us call this current I_{max} . Substituting into our equation then,

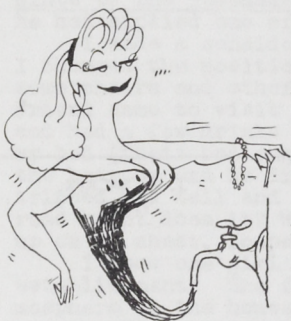
AC power - $(.707 I_{max})^2.R$

This will work out to AC power - $.5 I_{max}^2 R$ which can be checked by substituting numbers into the above equation. Let us go one step further with our new found equation. Suppose direct current, equal in value to the peak alternating value (I_{max}) is flowing through the resistor. Since this current is steady, the power being dissipated will be DC power - $I_{max}^2 R$

This means then that twice as much power will be liberated by the DC current as can be obtained from the pure sine wave current, providing I_{max} is the value of current being used in the calculation. The significance of the above derivation will become increasingly apparent when a discussion of amplitude modulation is undertaken in a subsequent edition of RF.

NEXT ISSUE

*Deadline for all copy is July 15th !!
How about giving us a break - Be early !!*



Owing to numerous requests, especially from VE7AJM at Riondel, B. C. the Editors of RF magazine have once again called on the services of our chemical engineer, Prof. Florence Q. Flask.

Prof. Flask feels that she is in a good position to advise the ham population on these matters in as much as she is a woman, and the majority of amateur operators are men. She writes as follows:

Many of the fellows have occasion to entertain ladies in their ham shacks. Sometimes it maybe the housewife next door, a secretary from the office, or some other friend who wishes to make contact with loved ones in some far away place. Then again it maybe just the wife or girl friend that the ham is trying to impress by showing her the intricacies of the shack. In any case it is always adviseable to show the ladies suitable hospitality.

One cannot bring out a simple 616 or 807 and offer it as you do to your male guests. The ladies desire, which is always of great importance to the male interested in the fulfillment of his desire, runs to the exotic in drink. Daquiris, Pink Ladies Alexanders, Dubonnets - the more like perfume it tastes, the better they like it. So the accomplished ham has to scrap his etchings and turn to the Bartenders' Manual to impress the girl he has lured to his shack. Today he has run the gamut from Alexander to Zombie and is at his wits end when it comes to thinking up concoctions to lower Milady's coy resistance.

Herewith then we should like to present a receipt which is guaranteed to tickle her taste buds, if not to insure her acquiescence:

Haysboro Heaven	2 ounces of the preparation
1½ ounces of bourbon	appearing on Page 20 of the
1 ounce curacao	last issue of RF
½ ounce rum	½ ounce Grenadine
½ ounce Orange juice	

Pour bourbon, curacao and orange juice into glass and stir. Then add rum, grenadine and preparation shacking thoroughly until it froths.

We hope readers will let us know what results they have with this. Maybe it will change her answer from "No" or "Maybe" to "Yes, Yes".



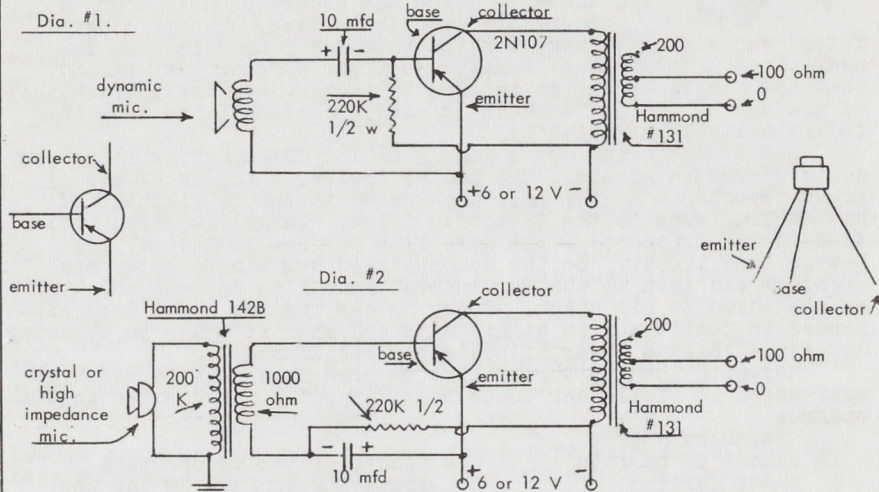
HINTS TO THE HOMEMAKER - Summer with the month of June is now well into it's stride, the entire world is awake and the scenery around us is green. This is the time of change. We girls especially, to revitalize ourselves, feel the need of new surroundings. New clothes, new hair styles, the furniture in our apartments or houses...in fact every thing must be changed or moved around, including the Ham shack.

I changed my apartment around completely. I bought new furniture (I figured a gal has to plow some of the profits back into the business). To buy the new furniture I hired an interior decorator. He suggested a new lamp, coffee table, book case liquor cabinet and then insisted on an occasional piece in the living room. When he suggested the latter a merry smile came to my lips as I thought of the extraordinary manner in which

CONTINUED ON PAGE //

MOBILE PRE-AMPLIFIERS.

J. E. SACKER.
VE6BW



In one phase of commercial telephony in which we are involved the direct substitution of crystal or dynamic microphones in place of the usual carbon type is required. This requires first, that the level of the crystal or dynamic microphone be brought up to something close to that of a carbon type, and second, that the impedance presented be similar to that of a carbon microphone. Both circuits here fulfill these two functions.

So for "Mobilers" who wish to improve their audio quality over that produced by carbon microphones this simple transistor pre-amp and matching unit will do the job.

Diagram #1 is for use with low impedance dynamic microphones, and this includes most of the war surplus variety (there are still some of the #19 set dynamic headsets around which make beautiful microphones). Note that no input transformer is used.

Diagram #2 is for use with crystal or ceramic microphones, here a Hammond 142B transformer is used between the microphone and base-emitter circuit.

The car battery is the source of power, tie one pre-amp battery lead to the 'hot' side of the heater circuit in the mobile transmitter, your transmitter heater switch will then turn on the pre-amp. If your car uses grounded positive ground the 'pos' pre-amp lead and extend the negative to the hot side of the heater circuit. Do the opposite if your car uses grounded negative. The output of this pre-amp/matcher simply plugs into the present carbon mic jack.

Hints to the Homemaker - Continued from Page 9.

he had applied one of my trade terms in his business.

I made a considerable number of changes in my bedroom too, I changed the position of my bed and chest of drawers as well as some chairs and other stuff in my room. A few days later my boy friend came to visit me and see the changes. We sat for awhile and had a few drinks then he said he was going to have a lay on my bed (thats bad english but it makes the joke.) He went into the bedroom and he didn't turn on the lights. Naturally he tripped and fell and ended up in my drawers. NO! NO! that doesn't read right does it? What I mean to say is...he tripped and ended up on my chest...oops...chest of drawers damn it.

I know one girl though, who never makes any changes in her establishment. She felt that her callers were used to the atmosphere in the house and she didn't want to change a thing. As she so often said...it takes a heap of loving to make a home a house.

*** **

VHF - By Ted Ball, VE6PQ

There has been an increase in VHF activity locally and as a result this months VHF news will be divided up into sections covering the various activities going on. A run down of these are: A VHF building group has been started in Calgary. Mobile activity on 146.7 is on the upswing (good weather helps) and may produce some new Alberta DX records for 2. Skeds are being held between Calgary & Edmonton for the past six weeks and new "ultimate" front ends for 2 meter receivers are under construction.

2 Meter Building Group - A 2 meter building group has been started in Calgary under the auspices of the C.A.R.A. and guided by VE6PQ. The purpose of this group is to build a 2 meter converter and transmitter to increase local activity on 2 and increase the effectiveness of the 2 meter CD net. There are about 15 locals engaged in this project and the list includes such notables as VE6AB, 6AG, 6AC, 6GN, 6IQ, 6NU, 6JQ, 6UA & 6QS. VE6WL took a pix of the group last meeting, but forgot to focus the camera (what a lid) so a pix will be in the next issue. The cost of the converter will run about \$22.00 complete and running and a parts list and diagram for it is shown at the end of this section.

Most of the local group are about half way on the construction with all parts mounted and starting the wiring. The converter is built on a 4" x 8" 20 ounce copper plate and the shield is 7"x 1 7/8" of the same material. All the parts used are standard and are obtainable at the local clip joint. This converter will give as good performance as any commercial units available for anywhere near this price and will out perform most of them. Construction is simple and the only tool needed for tune-up is a grid dip meter for 2 meters. The crystal is available from International Crystal or anyone who grinds overtone crystals and crystal frequency can be calculated from the formula supplied with the diagram. The 2 meter transmitter will be identical in size and should provide 10-30 watts output depending on final tube and plate input.

The diagram and parts list will be printed 2 issues hence. The building group attended two talks on VHF theory before actual construction began to acquaint them with the tubes and circuits and reason for using them on VHF.

CONTINUED ON PAGE 12.



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VHF - Continued from Page 11

A few of the local VHF enthusiasts obtained 416B tubes (these are from the Bell TD2 microwave) and have built pre-amps for 2 using them. These tubes are worth about \$80.00 each when new and will provide the ultimate in performance on 2 meters. The author and VE6TE have pre-amps going using these tubes and results have been nothing short of fantastic. A noise figure of approximately 2DB and in AM service a 6DB signal:noise ratio at .05 micro volts is possible. While on FM quality is obtained at .1 micro volts - these figures are about 5 times as good as those obtained with the best commercial or homebuilt equipment.

Mobile Activity on 2 is on the increase as more old commercial FM equipment becomes available. VE6BF is now, 6AX is installing, 6JK is building for AM and a newcomer to 2 meters 6NL Reg was heard on recently.

NEWS - Recent trips to Edmonton for eyeball QSO's with 6NX and 6DZ and a trip by 6EH to Calgary have revealed much doings in Edmonton. VE6NX is working on a new pole for his already elaborate antenna farm and VE6EH just completed a 10 element stacked array atop a 40 foot pole. Good luck with the new antenna Ted. Mobile activity on 2 in Edmonton is good and 6DZ now has a 5894A in his UM 30.

VE6WL reports a new 5 element beam up, 6TE has 10 element up and is getting a 40 foot pole to mount same on. the local Gas Company scrapped some plane reflector ant. for 2 meters and these were given to CD for distribution to hams on 2. VE6OB has one as does 6TE and one is going up at the CD training centre. There will be a CD 2 meter station at the CD training centre and it will be on 146.7 mc FM, using a base station donated by the Gas Company. (I wonder if 6QS & HG arranged!! to have this stuff scrapped???)

VE6PQ will be reduced to a ground plane for 2 while installing the pole (65 ft of telephone pole with 20' steel masting on top). I hope to get the 32 element on 2 back up in about one month if the weather stays good.

Calgary - Edmonton Skeds - For the past 6 weeks skeds between VE6NX Edmonton and 6PQ Calgary have been held. These skeds are an attempt to establish a solid 2 way QSO on 2 between Calgary and Edmonton. It is possible we will just have to wait for the correct weather conditions and then be on the air. How about the Lethbridge gang getting together and trying something, we will do all we can at this end.

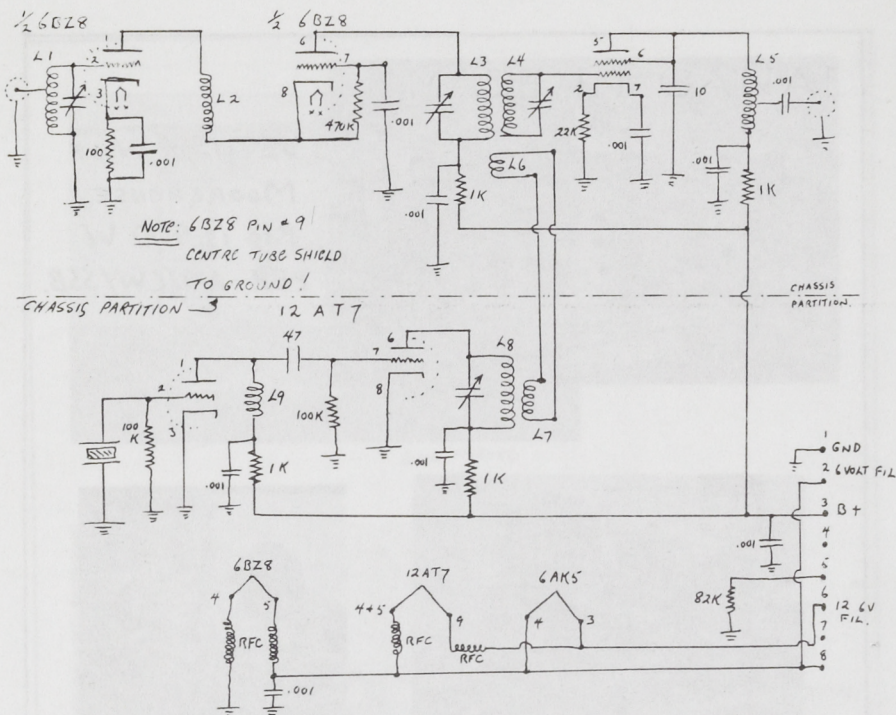
Transmission modes at Calgary are AM and FM while Edmonton is using F3 with a possibility of trying FSK audio on the FM transmitter and trying teletype. This appears to be a very good idea because the transmitter at one end could be running continuously from say 6 pm to 8 am every day (if the operator was home) and possibly 24 hours per day on weekends. Any opening would show up on the teleprinter at the other end or some could be taped & fed into a teleprinter for decoding. (anyone who would like to donate a model 28 or 15 teletype, please speak up.)

Planning any mobile DXpeditions on 2 meters. Remember that a 70 foot tower or hill in place of a tower will give an effective transmitter power gain of 100 times or an increase in received signal of 10 times. Not bad for just a few feet up, eh wot? The same hill would not even flicker the meter on bands 15 meters and down, and on ten it would just double your signal or move the meter up one S unit.

CIRCUIT DIAGRAM, PARTS LIST OF CONVERTOR ON PAGE 13

A man is truly married when his dog brings his pipe and his Wife barks at him.....(The Glad Hand)

12-



2 METER CONVERTER DESIGN FOR "RF" BY VE6PD

Filament voltage: 6 volts 12 volts
 6 volt hot to pin 2 12 volts hot to pin 6
 6 volt cold to pin 1 12 volts cold to pin 1
 jumper #6 to #7 Jumper #8 to #5

Parts list:

Resistors (1/2 watt carbon)

1-100 ohm, 1-470K ohm, 1-22K ohm, 4-1K ohm, 2-100K ohm.

Condensers (1KV Ceramic Disc)

11-.001, 1- 47mmfd, 1-10mmfd, 4-15mmfd APC trimmers

Hardware:

1-831R connector, 1 phone plug & socket, 2-9 pin sockets w/shield
 1- 7 pin socket w/shield, 2-XR 91 coil forms, 1 octal socket,
 1 octal plug and cap, 3' RG-8U cable.
 #26 wire, #14 wire, solder lugs, spaghetti, nuts, bolts, tie points.

Tubes: 6BZ8, 6AK5, 12AT7.

Extra to kit: 8"x 4" copper chassis and shield connections (from a good tinshop), 1 crystal (International FA 9 or equivalent)
Optional extras: Hammond chassis '8"x4"x2"', 1 82 ohm 1 watt Rx (for 12 volt operation only)

IF range of converter depends on Xtal frequency. Freq can be calculated as follows $\frac{144 - 10(\text{IF Freq.})}{3} = \text{Xtal frequency.}$

E.G. $\frac{144 - 10(\text{IF})}{3}$ equals 44.6666 mc. Therefore the tuning range of the receiver will be from 10 - 14 mcs. Local net (146.7mc) will be at 12.7 mc on Communications receiver dial.....



VETUS - WILF
MOOREHOUSE,
RIG IS 500 W
P.P. AM/CW/SSB.

705 PHOTO



761 PHOTO

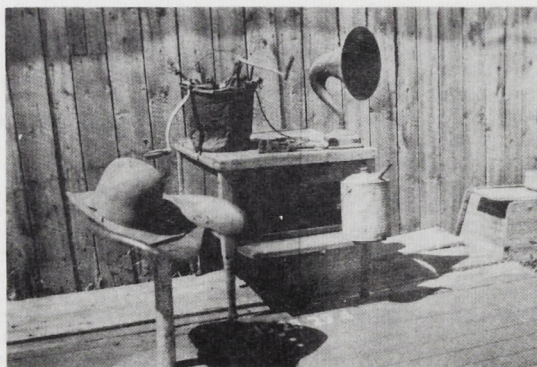
NEAT STATION OF VE7JI
E. U. HYNES, PARKSVILLE.
XMTTR A VIKING II
RCVR. AN HRO SIXTY.



PHOTO BY FARSH

ONE OF CALGARY'S
MOST ACTIVE UP-
COMING HAMS,
GLEN SMITH

VEGPR
"BUCKETABOLTZ"
ONE CRANK IS ON
THE GAIN, THE
OTHER ON MECHANICAL
FILTER!



6PR PHOTO



PRESIDENT KENN
WARD, AND
SECRETARY REG.
ODEGAARD OF
THE C. A. R. A.

GWL PHOTO



S.C.M. GORDON
HOLLINGSHEAD,
WITH RF EDITOR
BRIAN SMITH.

GWL PHOTO

"RIDE TO WORK
RELAXED IN THE BIG
TROLLEY COACH" (BESIDES
WHO CAN FIND A PLACE
TO PARK FOR ALL THE
TRANSIT EMPLOYEES CARS?)



PHOTO NOT COURTESY OF VEGJK

Here - N - THERE!



COUTTS, Alberta. VE6SE was recently visited by VE8CD, Lou Surak of Watson Lake, Y.T. KN7AWD from Cut Bank, and by several interested Hams-to-be: John Stiles of the U.S. Border Patrol at Sunburst, Montana who is presently building a new rig, Conrad Prince of Atikokan, Ontario also building a rig, VE6VE of Milk River, soon to be on the air again. W71VD the "good looking" operator from Cut Bank, in the person of Don Shubach.

Sherry Ellingson, Chas Hale all of Warner presently digging into Ham Radio and will be coming up with new calls it is expected.

VE6SE logged the USSR Sputniks on two different dates. Sputnik I heard on 20 mc October 6, 1957 at 07:50 and Sputnik II recorded November 4, 1957 at 17:18. Am enclosing pix of Jr.Op. Anthony aged 2 "operating rig" of VE6SE. (Ed note: Would have liked it, but you forgot to enclose same - LID:..)

Any comments from other Hams regarding Auto licences bearing their Call letters will be welcome. Maybe in 1959 we will be sporting such plates fellows. 73's and 88's. Stan Earl, VE6SE.

MEDICINE HAT: There is talk around town that some of the older Hams may form a club this coming winter to revive interest in Ham Radio and help train new comers. Like I say it's just an ugly rumor. (Ed Note: These rumors should be fertilized.)

Heard VE6NV on mobile the other day - that makes two mobiles for Medicine Hat as soon as I put the rig back in the car. VE6AN isplanting poles for an antenna system or maybe it's a high clothes line HI. 73's Bert Farmer, VE6PW.

LETHBRIDGE: April - At the April meeting it was noted by Jim Doyle, VE6AJ that the Allied Arts Council were erecting a new building and Jim suggested the Amateur club get in early with an application to obtain permanent quarters in same. Jim stated he understood various organizations in the City were doing this. The suggestion received general approval and Jim was appointed as a committee of one to look into the details.

A suggestion by Harry Harrold, VE6TG also received the approval of the meeting, this to the effect that when the recruit class now receiving basic training graduate, arrangements be made to have their certificates sent to the R.I. and same be presented, if possible by the R.I. at the banquet. Suitable approach to the R.I. will be made in this connection.

Some discussion took place re the re-organization of the Provincial Amateur body, but Bill Savage, VE6AO advised that to date he had not received any pertinent data. Bill is looking after the details in this connection on behalf of the Lethbridge Club, any other Clubs with similar desires might get in touch with him.

After the meeting a tour was made of the City Power House, being very capably conducted by Frank Hutton, chief engineer. The tour was very interesting and greatly enjoyed by all, and our sincere thanks to Frank in this regard.

It was noted that the Amateur Class was progressing satisfactorily and attendance holding up to an average of about 50. Incidentally one of our keenest recruits for an Amateur Licence is the local Magistrate, T. O'B. Gore-Hickman.

Lethbridge - May - The May meeting was opened with the reading of the minutes of the previous meeting. In this connection a point mentioned as to charging a fee for future Amateur classes

CONTINUED ON PAGE 17

LETHBRIDGE NEWS - Continued from Page 16

in order to have funds for recreation purposes was questioned by Fred Weiler. It was noted by him that this fee was to be earmarked for purchasing of technical equipment. This amendment was entered in the previous minutes.

A report was made by Jim Doyle as to the results of his investigations into using the proposed Allied Arts Building for Amateur Activities. It was learned that the building would not be completed for approximately two years. However, Jim reports the reaction to the Amateur's gaining space in this building was very favorable, and stated Dr. Van Christou of the Allied Arts Council had stated it was desired to organize the various clubs and associations and have a delegate appointed from each to meet with the Council. Jim Doyle being elected the delegate.

Norm Larson president reported on the progress of the Amateur Class and advised there would be approximately 30 ready for the exam on June 10th and the remainder to concentrate on code and theory and take the exam at a later date. (Ed Note: Wonder how many of the Calgary Class will write for or pass their exam???)

It was noted by Norm Larson the C.D. organization wished to express their appreciation for the services rendered by the Amateurs during the recent test. Also Norm advised the Amateur club could use the C.D. building if necessary. He having received word to this effect would be available for club meetings for at least the next two years.

The question re free QSL cards arose, some having been available in the past from the Provincial Government. It was moved that this matter be tabled until formation of a Provincial Amateur body, if formed, as it was considered this more properly a matter for provincial amateurs as a whole.

The matter of a QST library was brought to the attention of the meeting by Frank Ward. It was noted a considerable library had been donated to the club by Bruce Marsden. It was decided to collect all the available copies, have them properly stamped and left at the school under the supervision of Fred Weiler until such time as the club obtained permanent quarters.

Len Groves suggested we have a Field Day, with all the trimmings, Transmitter hunt, etc. It was also mentioned by the Pres. that the June meeting would be the last for the season.

At this point in the meeting each member gave his name and call and his particular interest in Amateur Radio. It was noted each member had his favorite band, some liked operating, some building, others handling traffic, etc. (Ed. Note: This is the sort of thing that RF is attempting to find out, thus the form which appeared in last issue and reappears this issue - so far we have had no replies from Edmonton, Lethbridge or Calgary on this, although we have had considerable response from country amateurs. Nuff said???)

A very interesting film "Hidden Power" was shown, dealing with the Chalk River Project. Same being financed by Harry Harrold as a treat to the members on the occasion of his birthday. Re the remark regarding "financed by Harry Harrold", reference is made of course to the Film not the Chalk River project. Regarding his birthday, Harry would not divulge his exact age, but intimated it was somewhere in the neighborhood of 30 summers. (ED note, could be a buncha winters he missed.. HMMMMMM!)

WINNIPEG RAGCHEWERS RADIO CLUB: ("RF" is pleased to welcome the Winnipeg RC RC to it's roster of supporting clubs. How about your locality, is it represented. HMMMMM?)

The Winnipeg RRC continues to meet on the last Wednesday of each month of the 4th Floor of the Free Press building. The everlasting goal of the club is to help the members to get their
CONTINUED ON PAGE 18

tickets. Consequently most of each meeting is devoted to code and theory classes. Those not participating in classes are overhauling the transmitters donated by Bill Ramsay, VE4WR for the club station VE4ZZ, currently located in a chicken shack. At the moment, the membership consists mainly of teenagers, but we are getting a few older members. This club is not just for the kids, everyone is welcome who has a genuine interest in amateur radio. The club is sponsoring an SWL contest for May 17-18 with the winner to receive a '58 Handbook. (Ed note, Should have told VE6WL about this contest, then he might have been able to get a newer book than 6HY's old 1918 version.)

The neww is that Ron Adamson, VE4TA the Club's founder and hard-working president may be leaving Winnipeg to go south next fall. This will be a loss of one of the best ops in VE4 land and everyone will be sorry to see him go.

Don't hear much from the VE6's around here. Maybe we'll meet some of you fellows on the air soon. 73's Bruce Langdon, VE4CN - Sec. Treas. W.R.R.A.

CALGARY For the benefit of those who were not at the April C.A.R.A. club meeting I would like to briefly outline the projected activities for the coming season.

Field Day - In participation with the A.R.R.L. to be held June 28 and 29th.

Hamfest Cavalcade - To attend Edmonton Hamfest which is being held August 23 and 24th (Date not confirmed)

Transmitter Hunt - C.A.R.A. local effort - third week in July.

C.D. TEST Exercise - In participation with C.D. Authority

A.R.R.L. Credits awarded. October 12 & 13.

Also it has been proposed that we organize a Club DX Contest - A Smoker at the East Calgary C.D. Centre and an "On-the-air" meeting. It is the present feeling that these activities be held in the Fall, after the out-door activities are over.

In addition to the Special Events mentioned above - the following continuous activities are now under way.

Construction of a Club Station installation at the East Calgary C.D. centre, under the management of George McCullough, VE6AX who is Club Station Manager.

Two-meter Construction and theory class, being held by Ted Ball, VE6PQ on Wednesday nights at 8:30 p.m. at the East Calgary C.D. Centre. This class is being enthusiastically attended by a considerable number of club members, and Ted is doing a first class job of instructing.

Lecture Series on various aspects of Ham Radio. This series was kicked off at the last club meeting by Frank Meadows, VE6AC in an amusing and informative talk on the early days of Ham Radio. Gordon Hollingshead, VE6VM followed with a lecture on Modulation. Gordon is going to continue this very worthwhile topic in further lectures at the C.A.R.A club meetings.

Gordon Hollingshead, VE6VM has recently wound up his code and theory classes for beginners, and reports that there should be several new Hams on the air soon. It is to be hoped that this class will be reopened in the fall, as I believe that all will agree that it has been a very worthwhile effort. Gordon is certainly to be commended for his untiring efforts in this regard during this last winter and the high quality of his ability as an instructor. 73's Mike Kelcey, VE6MF.

READ ON FRIENDS; FOR MORE NEWS FROM HERE*N* THERE ON PAGE 19.

WHEN DEALING WITH OUR ADVERTIZERS, SAY, "I SAW IT IN RF" PLEEZ!

Still More
Club News !!!



"... but it has to be U. S. currency."

tures, prices, etc. will follow and be well publicized as they are finalized. Ted Holmes, VE6EH is the chairman for the affair and those of you who know Ted will realize what a bang up affair it's going to be.

History was made here on May 3rd during the Civil Defence exercise. Avid RTTY'ers, Ted Holmes, VE6EH, Jack Henderson, VE6DZ and Charlie Harris, VE6HM established a VHF RTTY link between two headquarters of the Civil Defence lads, and achieved phenomenally successful results. The link worked continually from 13:00 to 19:00 without a garble or failure. Homebrew equipment working at 147.0 was used, over a distance of approximately 5 miles. The printers used were venerable model 26's, but re-sorted to superb condition by Ted and Jack. The CD people were most impressed by the flawless two-way performance. Jim Stevenson, VE6IM manned one of the printers and Edna Roberts, C.P.R. teletypist handled the other machine.

Two meters P.M. is extremely active in Edmonton and district. So far, all equipment has been kept on the same crystal frequency, 146.7 mc, making for easy arm-chair QSOing. Latest count shows 26 of these fixed and mobile rigs actively on the air and the round tables which develop at times would gladden your hearts. Most of the equipment being used is Bendix and Marconi with some G.E. and home brew. Ted Holmes, has erected a terrific staggered Yagi array about forty feet off the ground and is in the process of completing it now.

The Club held a monstrous auction sale at the end of March resulting in a lot of clean basements. Ken Curry VE6KC did most of the auctioneering, being ably assisted by Jack Geldart, VE6ZF and Mo Allen, VE6AU. Some forty odd members and friends attended this sale and all had a wonderful time. Keith Millar, VE6KM as usual was the big supplier of auctionable gear. What a basement that man must have. These Edmonton auctions are getting to be rousing affairs. We will make a point of letting you all know when the next one turns up so some of you can make up a junkspedition and join in the fun.

The Northern Alberta Radio Club holds it's meetings on the third Friday of each month at the King Edward Hotel banquet room, at 6:30 p.m. Next time you find yourself in Edmonton on a Friday, drop round at supper time at the King Edward and have yourself a fine meal, listen to some fine lectures and meet the bunch. Meeting attendance averages 35. Doctor Scott of the University spoke to us last month on Atomic Physics, and rendered 6Km's finger radioactive in the process of demonstrating. Keith reports its handy for finding keyholes in the dark.

Now, for a few items of assorted interest. Charlie Harris, VE6HM is still busy grinding out traffic on 20 to the boys in the far north. His selfless efforts in this respect were rewarded by a presentation of some terrific camera equipment by these chaps from the weather stations, D.O.T. stations and DEW

CONTINUED ON PAGE 20

EDMONTON - Here's your ?%#&"(1/2)@%#& copy for RF's next issue. I well realize we've been lax in sending copy in but with your lousy coverage we thought it was hardly worth while. After all---- (Ed Note: Why don't you admit your just lazy!!')

The big news item of course, which you are all eagerly waiting for naturally (after all your nasty digs) is that the Alberta Ham-fest will be held in Edmonton on the week-end of August 23rd and 24th 1958. Final details are of course sketchy at this point but you can expect it to be the finest ham-fest for many a moon. Details, times, fea-

line points recently. This presentation was made on a T.V. show and received a nice write up and picture in the local papers .. admirable publicity for ham radio.

Jim Stevenson, VE6IM has just completed the HBR14 receiver out of QST July, 1957 and is having terrific success with it. Any of the boys who may be thinking of whacking up an HBR are very welcome to drop round and have a gander.

Planning by Roy Usher, VE6EA, Activities Manager for the N.A.R.C. is proceeding apace for the Field Day coming up at the end of June. This annual event is proving very popular up this way and this year will provide some of the more ambitious lads with an opportunity to get out with the mosquitoes and show their stuff. At this writing at least three groups will be out in the country for Field Day. Will let you all know how things go in our next letter.

Note - I'm keeping a log of the interesting doings up this way from now on so the next report will be a little less sketchy. (Ed. Note: Good idea.) 73's. Jim Stevenson, VE6IM, Secy NARC.

NANAIMO - Biography of VE7GR (Goat Rancher) Phil Henstridge.

An old timer who got chased out of the prairies as civilization and Broadcast listeners advanced, was born in England and I think he got mixed up in radio over there - probably the cause of his emigration to Canada.

Is co-author with VE7DH of the pamphlet "Ford Coils for Fun, or The Heck with Broadcast Listeners". Has worked all kinds of DX in the Good old Days using a piece of copper wire and a rusty razer blade as a detector and an Edison lamp as a transmitter. Not one to lag behind he now uses a DX-35 to drive an 813 in Grounded Grid Linear.

Lives in Haywire Hollow near Northfield on the Old Island Highway. Has to lower his antennas in the duck season to avoid prosecution by the Game Warden.

Seriously though, Phil is really up on radio and is a real Homebrew specialist dealing in everything from Kickapoo Juice to Amateur TV. Has two home-brew receivers. If you have rig troubles Phil is the boy to see. Phone him up and name a symptom. Guarantee he'll pin-point your trouble in 15 seconds.

Biography of VE7AFG (Aunt Fanny's Garter) Norm Baird.

One of our young squirts but fast moving up into the Rotten Liar Class with the rest of us. Presently working at Eatons and endeavouring to save to go to U.B.C. Has saved up a dandy collection of model aeroplanes and ham gear that should go over real big with the Registrar. Still we hope he makes it because the world has a lot to offer the guy that's prepared to put his head down and really work for a year or two.

Operates mostly 40 cw, I believe, using an ARC-5. Has just acquired a rig running a 6146 so look out. The far end of his antenna is tied to a neighbouring grain store--here's one guy whose signal is really for the birds.

The above items were lifted verbatim from the Nanaimo club bulletin. This bulletin is areal good effort on the part of these chappes and would serve as a good example of how a club's executive should keep their members informed of what is going on. Each month they circulate the minutes of the previous meeting in a real humorous way which enables them to dispense with reading them at the meetings, and along with the minutes set up a good idea of what is to happen at the next meeting, so that if the members are too lazy to come they won't miss anything anyhow. HIHI. This, seriously fellows is fb deal, even keeps yours truly laffin'....



Life's Like That - by Maude Phillips, VE6MP

Time and time again I've been asked this question as one might ask "Why did you become a lion tamer", "How did you get interested in Amateur Radio?", and my first answer is usually, "On account of a sick Scottie", and then on second thought I tell 'em, "It was on account of a cute little blond," and to this day I cannot truthfully say which! I do know, believe it or not, when the mere sight of a Mike had about the same effect on me as strange dogs have on some children, and when the OM would say, "The XYL will say a few words to you," I'd run and hide in a closet. Then one day my little dog swallowed a pecan nut, and on account of the muddy condition of the dirt roads in those days leading to the highway, we were unable to get here in to a Vet for at-

tention and all home remedies failed, regardless of advice we got by phone from the Calgary Dog Clinic. When a Ham in St. Louis asked the usual terrifying question, "How is the XYL" Glen said, "Come and say hello to John." With my sick pup in my arms and between sobs I explained my dire straits and pleaded with him to call up a Vet and try and get some advice for me. John, himself, by a strange coincident, had had about the same experience with his dog and gave me the remedy that saved my pouch's life. Then there came the blond. Hi!!!

She was one of those gushy giggly blonds (You find them also in brunettes) who used to just love to come up to the radio shack and gush and giggle all over the mike when Glen was on the air. Being a woman of the world and knowing how one thing leads to another, it didn't take me long to realize that I just had to overcome my fear of the mike. One day when all alone in the shack I picked up the darn thing and started practicing, and thinks I, I might as well turn on the contraption and shoot the works. It was very much the same sensation I used to experience plunging in the icy waters of the ocean for a swin, but I made it, even though, in those days, it was very very much like doing a big apple, a popular dance at that time.

The switches were all on the wall, reached by a long stick with a hook on the end. I called a CQ and right away who should come back to me but Honolulu. I was at a complete loss to know what to do next, but I soon got control of the situation enough to say that it was the first time I had worked the rig and that I didn't know the Lingo but he was coming in like a ton of bricks and that my OM had never worked a Hawaiian station. He came right back with the remark that that report was good enough for him and that it took the YL's to put it over the OM's.

Needless to say from that time on the little blond didn't have a look see. And now, as time goes on, even the OM doesn't have a look see Hi!!! And when the arguments get to the boiling over stage, as they often do, I just sing that little old ballad, "You made me what I am to-day, I hope you're satisfied".



Ham-biographies by Harry Harold VE6TG.

VE6JI, Joe Kurtin was born in Hostetin, Czechoslovakia in May, 1905 and came to Canada in 1928 to work in the bush of Manitoba and later as a lumberjack in Ontario. In 1933 he moved to Raymond, Alberta and worked in the beet fields.

In 1935 Joe married Miss Mary Letab and moved to Hull, Quebec where he worked part time for Atlantic and Pacific Stores and was later transferred to Ottawa with the same firm.

In 1941 he was employed by the Canadian Government, Post Office Branch (Censorship Department) and late in 1943 moved to Niagara Falls, Ontario as a Meat Cutter and Cook at the General Brock Hotel.

In the fall of 1946 he moved to Barons, Alberta and bought a Butcher shop, which he operates at the present time.

In 1955 he and his daughter Jean took a trip back to his homeland leaving his XYL Mary to run the shop. Joe is active in Lions Club, Elks and an Elder in the United Church at Barons. Joe took up Ham Radio in 1953 and operates a DX 100. His other hobby is wood working at which he is very good.

* * * * *



In my travels around I like to pick up a little history of the Guy's that I work and I sure get some surprises at times. Just look at this one and see what I mean.

VE6IB, Doug Plante was born in Coleman in 1918 had all his education in Coleman and at the age of 19 years started working in Coleman Collieries where he is still employed as an Electrician and Welder.

Doug is married and has a very fine XYL and two female type parasitics. VI, his XYL is studying at present for her ticket (Ed note, ...if you can't fight 'em, join 'em... Wot!)

Doug also likes fishing and fooling around with guns. He started for his ticket in 1953 and in 1957 got his Class A and 75 has been lousy since. The best way to get a contact with Doug is to get in on around table and talk about him and after awhile he will break in.

73's - more next issue - VE6TG.

* * * * *

THE LIFE OF FRANK MEADOWS - by VE6PR - Carl Stone

Frank (President of Third Street N.E.) was born in the dark ages of the foothills and at the tender age of about three weeks he quickly learned to say "dit" "dah" and for his bravery was awarded the call of VE6AC.

As with all hams, time passed swiftly for him and soon he became noted for his fame as father of radio, five daughters and a Volkswagen (Ed note: As another beetle driver we could not allow 6PR's caustic remarks at this point to reach the public!!)

Then the dirty thirties came and to be in step with the times Frank went fone. These conditons soon broke by but ole man Frank still works his fone patched, but like all good hams he never let his CW get away from him, nosiree, he always keeps her around

CONTINUED ON PAGE 23

11 9/73 wpr. Thats all for now, but there's more in the making of a fine business report of a fine business guy in a fine business game.

** ** *

PLAIN TALK - by Gordon Hollingshead, VE6VM



The February issue of RF sponsored a plea from the Editor for some kind of sound from the SCM nominees. I am now taking this opportunity to respond to that kind invitation, not as a nominee, but rather as your appointed SCM. I would also like to offer some of my views concerning the amateur radio field, as a means of stimulating a few thoughts and perhaps some discussion. I will no doubt be an unknown quantity to the majority of the readers of RF, mostly because I haven't been particularly active of recent years. I am sure that you will be hearing from me more often in the future, however my primary interest in the hobby is largely related to constructional enterprises rather than operational activities. For this reason I am not apt to spend any considerable amount of time on the bands, "Rag-chewing".

It would appear that I have the unhappy faculty of opening my mouth at the wrong time and usually about the wrong things. As a consequence, last winter, I found myself being offered as competition to the post of SCM for Alberta. What happened is now old news. Suffice to say, I don't have to thank anyone for voting me into office, although there is some questions in my mind as to the advisability of such "Appointments". I wonder if the amateurs of Alberta care so little for the elective offices that this position is filled by acclamation, or is their faith in a single nominee so strong that an election is a waste of funds? I think this situation bears attention. Thus far as your SCM I'm casting about in an attempt to find out what it's all about. I hope eventually to execute my responsibilities in a manner worthy of the office, and to that end, I hope you will give me the support so necessary to the fulfillment of the job.

Carrying this line of thought a step further, it occurs to me that in general, the amateur is going to have a look pretty sharp in present and future times. Looking at the frequency allocation picture with regards to the radio spectrum, it appears rather obvious that pressures from a number of groups will come to bear on the amateur allocations. There are many aspects to this story but it is my intention now to discuss only the organizational aspects of our problem. Whatever justification there may be for spectrum re-adjustments, one thing is fairly certain - we as amateurs wish to be fairly represented. On an individual basis, an amateur has little effect in dealing with a problem of such scope. It is my belief that on a collective basis, however, we will be sufficiently effective. If therefore appears to me that whatever personal feelings we may have towards outside clubs or organizations, we had best put our shoulders behind one of them, since I am not aware of any nationally represented radio club in our country. (Ed. Note: See remarks on that score elsewhere in this issue, and for national coverage to hams "RF" has the largest national circulation of any Canadian Ham publication, we wish that more SCM's and hams in general would make use of this coverage) CONTINUED ON PAGE 24

The picture may change, but I for one would not advocate any "Sit and Wait" policy. (Ed. note, You said a mouthful Doc!)

Since establishing my QTH in Calgary, I have become increasingly aware of the political side of our hobby. Although I do not have any bent toward "Politicing" myself, I am beginning to appreciate some of its effects. Actually to you fellows so inclined, there is a lot of fun to be had (Ed. note Fun????????) and all that is required is a pair of ears and a desire to say your piece. In return, you will be contributing to the growth of our hobby by helping to unify us amateurs into a larger and more purposeful organization. Along a similar line, some of you fellow ARRL members might make the discovery as I did that there is just a lot more to QST than leafing through the first thirty or forty pages. I didn't really appreciate that, until very recently, so I would like to take this opportunity to invite you members to read on and find out what is going on in the amateur fraternity. In conclusion, I would like to offer a very welcome hand to those hams or interested persons not actively enrolled as members of the ARRL. Your support of this organization is needed now more than ever, so give this invitation some real consideration. You will be more than repaid for your interest.

** ** * * * * * * * * * * * * * * * *

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FOR SALE: Mobile Equipment
Elmac AF 67 Transciter 160,80,40,20,10
Elmac PMR Receiver
Elmac Receiver power supply (low level transmitter stages as well)
12 volt input dynamoter - output 450 volts at 225 mills or 125 mills
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All hookup connectors & instruction books
To be sold as complete unit only - ALSO
Viking 11 transmitter with Johnson low pass

filter. Contact Maurice Broadfoot, VE7NU, 3824 Merriman Drive, Victoria, B. C.

FOR SALE: Raytheon 4D32 tube.. Used but has lots of watts left. Best offer. Contact P.L. Battrum, 2219 Kelwood Drive, Calgary. Phone CH 9-4254.

WANTED: Would like a rock for the 15 meter band, preferably one that hasn't had all of the DX worked out of it. Contact P.L. Battrum at the above QTH.

FOR SALE: Eico tube checker - Model 625. Like new. Latest roll chart. \$35.00. Contact O. Wilson, VE6WT, 3623 - 6th St. S.W. Calgary, Alta.

FOR SALE: Hallicrafters S-40A receiver with S meter. Heathkit AT-1 transmitter, VFO and antenna coupler. All in A1 condition. Will sell complete for \$150.00. Contact Joe Letal, VE6JU, Box 121, Barons, Alberta.

WANTED: For Sale, Swap, or Sale items to list in "RF" magazine. No Charge for these listings. Send yours today to "RF" Swappe Shoppe, Post Office Box 278, Calgary, Sunny Alberta.....



OBJECTION - from VE6AC

A couple of issues ago an article appeared under the nom de plume - Old Timer. I was at once deluged with panning from many sources. Guess that's what comes from having a reputation for speaking my mind. Be this as it may it is my humble opinion that Old Timer had some very worth while thoughts worthy of serious consideration and Positive action.

HOW CUM? - There are so many folks who beef like hell about the way things are going but are too lazy to make a concrete effort to pass along their great store of knowledge and ability to those less fortunate than themselves.

Do your friends cuss you by reason of phone splatter? Do you cut the gain only to have those you QSO complain of insufficient modulation? VE6AC has a simple circuit for a "Limiter - Compressor". It compresses overdrive and helps hold the signal at more nearly 100% modulation without monkey chatter. You can get this circuit for a postal card and a four cent stamp to VE6AC 302 - 6th Avenue N.E., Calgary.

Something to remember - The existence of this little publication is dependent entirely on voluntary material sent in by its readers. Did your contribution go in last month - or was it just another empty promise the same as you made last month - and the month before?

* * * * *

AS HEARD BY THE S.W.L. - with no apologies to anyone
by - VE7US

"Roger Old Man, but please repeat the following..."

"Solid copy but QRM took out the middle of your transmission..."

"How's my Carrier?"

"Dandy Signal, only 25 KC here OM...."

"OK OM OK OM, Fine on this, fine on that....."

"Will pick up the break.....after an hour..."

"Good thing about nets, leaves rest of the band for us..."

"You mean you can get license WITHOUT Q.S.T.?"

"Belong to Emergency Corps. here OM but can't read CW anymore..."

"Sumpin' wrong with your Modulation...must be Sideband..."

"Got 5 Amps into antenna...running 50 watts here OM..."

"Better signal since got SWR to 5:1..."

"TVI only on ONE channel....."

"Check my signal on your scope....dope?...."

"Must get modulation meter working some of these days..."

"QRX while I answer the phone...will leave carrier on..."

"Couldn't deliver your message until today but no one home..."

"Don't know what tubes are in it, came already working"

"Never anybody on in Edmonton....."

"Got diagram from QST/CQ it's GOT to work....."

"My antenna is 50 ohms, I think..says so in article...."

"Chirpy CW? Key must be spaced too wide I think...."

"Sure can load my antenna here OM, 200 mills, how's my signal?"

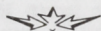
"Turn tuning to 10, loading to 6, fine loading to 4, there that's the way it says it should be...."

(ED. Note; How many times have you heard or said those things,Hmm)

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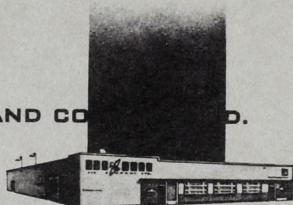
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